S48	2	"901"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark) and mounting with system and process$3	USPAT; EPO; JPO	OR	ON	2004/02/04 17:48
S49	4	"414"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark) and mounting with system and process$3	USPAT; EPO; JPO	OR	ON	2004/02/04 17:49
S50	0	"264"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark) and mounting with system and process$3	USPAT; EPO; JPO	OR	ON	2004/02/04 17:49
S51	106	detecting near2 position near3 surface near3 (board substrate)	USPAT; EPO; JPO	OR	ON	2004/10/12 18:51
S52	748	mounting near3 surface same (co$1planar parallel "same") same (posit$3 detect$3) near3 surface	USPAT; EPO; JPO	OR	ON	2004/10/12 18:54
S53	362	mounting near3 surface same (co$1planar "same") same (posit$3 detect$3) near3 surface	USPAT; EPO; JPO	OR	ON	2004/10/12 18:54
S54	16	(mounting near3 surface same (co$1planar "same") same (posit$3 detect$3) near3 surface) and "29"/$.ccls.	USPAT; EPO; JPO	OR	ON	2004/10/12 18:55

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	11	("5002448" | "5010474" | "5035047" | "5079834" | "5379514" | "5452509" | "5456001" | "5727311" | "5855059" | "6044169" | "6176007").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/11 12:02
L3	4	("6374484").URPN.	USPAT	OR	ON	2005/03/11 12:17
L4	0	29/593.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:18
L5	4	29/832-837.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:23
L6	9	29/720-743.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:24
L10	0	356/375.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:25
L11	0	356/237.?.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:26
L12	7	"356"/$.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:27
L13	16	"29"/$.ccls. and (detecting detect) near2 (position location) same rotation near2 axis and (nozzle head)	USPAT; EPO; JPO	OR	ON	2005/03/11 12:27
S1	14	mount$3 with system.ti. and takeyoshi.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/11/07 18:22
S2	0	"1117286".URPN.	USPAT	OR	ON	2004/01/30 16:25
S3	1	"4680523".pn.	USPAT; EPO; JPO	OR	ON	2004/01/30 16:25
S4	1	"4833776".pn.	USPAT; EPO; JPO	OR	ON	2004/01/30 16:27
S5	2091	detect$3 with posit$3 and rotat$3 same nozzle and axis	USPAT; EPO; JPO	OR	ON	2004/01/30 16:35

S21	52	("29"/$.ccls. and (detect$3 with position and rotat$3 with axis and mounting with (component device))) and (imag$3 camera) and mark	USPAT; EPO; JPO	OR	ON	2004/01/30 18:45
S22	44	("29"/$.ccls. and (detect$3 with position and rotat$3 with axis and mounting with (component device))) and (imag$3 camera) and (reference fiducial) with (point mark)	USPAT; EPO; JPO	OR	ON	2004/01/30 18:42
S23	17	("29"/$.ccls. and (detect$3 with position and rotat$3 with axis and mounting with (component device))) and calibrat$4	USPAT; EPO; JPO	OR	ON	2004/01/30 18:45
S24	9	"5758410".URPN.	USPAT	OR	ON	2004/02/02 17:56
S25	994	mounting with rotat$4 and lower$4 and camera with imag$4 and process$3	USPAT; EPO; JPO	OR	ON	2004/02/02 18:29
S26	98	(mounting with rotat$4 and lower$4 and camera with imag$4 and process$3) and "29"/$.ccls.	USPAT; EPO; JPO	OR	ON	2004/02/02 18:29
S27	80	((mounting with rotat$4 and lower$4 and camera with imag$4 and process$3) and "29"/$.ccls.) and angle	USPAT; EPO; JPO	OR	ON	2004/02/02 18:30
S28	2547	rotat$3 with axis and mounting and (image camera) and lowering	USPAT; EPO; JPO	OR	ON	2004/02/03 18:44
S29	1770	(rotat$3 with axis and mounting and (image camera) and lowering) and process$3	USPAT; EPO; JPO	OR	ON	2004/02/03 18:45
S30	648	((rotat$3 with axis and mounting and (image camera) and lowering) and process$3) and position with detect$3	USPAT; EPO; JPO	OR	ON	2004/02/03 18:45
S31	209	(((rotat$3 with axis and mounting and (image camera) and lowering) and process$3) and position with detect$3) and vacuum	USPAT; EPO; JPO	OR	ON	2004/02/03 18:46
S32	165	((((rotat$3 with axis and mounting and (image camera) and lowering) and process$3) and position with detect$3) and vacuum) and (circuit substrate)	USPAT; EPO; JPO	OR	ON	2004/02/03 18:46
S33	161	(((((rotat$3 with axis and mounting and (image camera) and lowering) and process$3) and position with detect$3) and vacuum) and (circuit substrate)) and (reference mark)	USPAT; EPO; JPO	OR	ON	2004/02/03 18:47

S34	1	"5278634".pn.	USPAT; EPO; JPO	OR	ON	2004/02/04 15:07
S35	0	06-209885	USPAT; EPO; JPO	OR	ON	2004/02/04 15:08
S36	1	"0878882"	USPAT; EPO; JPO	OR	ON	2004/02/04 15:09
S37	0	(ASAI with KOUICHI with OE with KUNIO with NIIMURA with MASAYUKI).in.	USPAT; EPO; JPO	OR	ON	2004/02/04 15:10
S38	9	(ASAI with KOUICHI and OE with KUNIO and NIIMURA with MASAYUKI).in.	USPAT; EPO; JPO	OR	ON	2004/02/04 15:13
S39	0	"8078882".URPN.	USPAT	OR	ON	2004/02/04 15:13
S40	1	(CIRCUIT with BOARD with TRANSFER with APPARATUS).ti. and asai.in.	USPAT; EPO; JPO	OR	ON	2004/02/04 15:19
S41	9	asai.in. and reference$1mark with image	USPAT; EPO; JPO	OR	ON	2004/02/04 17:39
S42	12	"356"/$.ccls. and "29"/$.ccls. and rotat$3 and camera same image same (reference mark)	USPAT; EPO; JPO	OR	ON	2004/02/04 17:42
S43	541	"356"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark)	USPAT; EPO; JPO	OR	ON	2004/02/04 17:46
S44	500	("356"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark)) and process$3	USPAT; EPO; JPO	OR	ON	2004/02/04 17:43
S45	202	(("356"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark)) and process$3) and (calibrat$4 gaug$3)	USPAT; EPO; JPO	OR	ON	2004/02/04 17:44
S46	120	((("356"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark)) and process$3) and (calibrat$4 gaug$3)) and rotat$3 with axis	USPAT; EPO; JPO	OR	ON	2004/02/04 17:45
S47	21	(((("356"/$.ccls. and detect$3 with position and rotat$3 and camera same image same (reference mark)) and process$3) and (calibrat$4 gaug$3)) and rotat$3 with axis) and mounting with system	USPAT; EPO; JPO	OR	ON	2004/02/04 17:45